

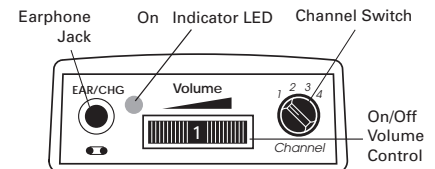
# Personal PA™ Wideband Receiver, Model PPA R7-4NA

## Description:

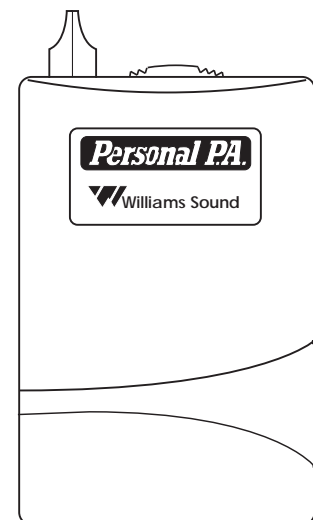
The Personal PA R7-4NA is a four-channel wide-band re-ceiver pre-tuned to frequencies 72.1, 72.5, 72.9, and 75.7 MHz. It features a channel select knob, volume control on/off switch, and an earphone/charging jack. Built in an impact resistant case, the R7-4NA is field tunable and will operate up to 32 hours with a single 9V non-rechargeable alkaline battery.

## Specifications:

<b>Dimensions &amp; Weight:</b>	3-5/8" L x 2-3/8" W x 7/8" H (92.1 mm x 60.3 mm x 22.2 mm); 3.2 oz (90 g) with battery
<b>Color:</b>	Gray
<b>Battery Type:</b>	9 Volt, Eveready 216 Carbon, Eveready 522 Alkaline, or BAT 003 NiMH Rechargeable
<b>Battery Drain:</b>	14 mA, nominal
<b>Battery Life:</b>	32 hours with Eveready 522, 6 hours/charge with BAT 003
<b>FCC ID:</b>	CNM R7, CNM R74Y
<b>Operating Frequency:</b>	Pre-tuned, adjustable, 72 MHz-76 MHz *
<b>Intermediate Frequency:</b>	75 KHz
<b>FM Deviation:</b>	75 KHz
<b>De-Emphasis:</b>	75 uS
<b>AFC Range:</b>	± 300 KHz
<b>Sensitivity:</b>	2 µV at 12 dB Sinad with squelch defeated
<b>Squelch:</b>	Squelches at 10 µV for minimum 50 dB S/N ratio
<b>Input Overload:</b>	20 mV
<b>Frequency Response:</b>	100-10 KHz, ± 3 dB
<b>Signal-to-Noise Ratio:</b>	50 dB at 10 µV
<b>Receive Antenna:</b>	Integral with earphone/headphone cord
<b>Audio Output:</b>	250 mW, max. at 16 Ohms
<b>Output Connector:</b>	3.5 mm mini phone jack, also serves as a charging jack for rechargeable battery
<b>Earphone:</b>	Earbud-type with foam cushion, 3.5 mm plug, 32 Ω (Other styles available)
<b>R7-4NA Channel Selector</b>	4-position, rotary switch
<b>Warranty:</b>	5 years, parts and labor 90 days on cords, earphones, headphones, batteries, and other accessories



**R7-4NA Top**



**R7-4NA Front**

NOTE: SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE!

# Personal PA™ Wideband Receiver, Model PPA R7-4NA

## Bid Specs:

The receiver shall be housed in an impact resistant poly-propylene case with a hinged battery door that does not separate from the receiver. The receiver shall be a body-pack style with a wrist lanyard.

The receiver shall have a 3.5 mm mono earphone jack and accommodate low impedance mono earphones, headphones and neckloop telecoil couplers. The 3.5 mm jack shall also serve as a charging jack for rechargeable batteries.

The receiver shall operate on one 9 volt battery and shall have a power LED next to the earphone jack. The receiver shall have a combination on/off rotary volume control and a four position switch to select between frequencies 72.1, 72.5, 72.9, or 75.7 MHz. These frequencies shall be pre-tuned and are adjustable by means of internal tuning coils.

The receiver shall receive FM signals in the 72-76MHz audio assistance band with 75  $\mu$ s de-emphasis. The receiver shall provide a maximum output of 250mW at 16 Ohms with an earbud-type earphone. The system electrical frequency response shall be 100Hz to 10kHz,  $\pm$  3dB and the signal-to-noise ratio shall be 50dB at 10 $\mu$ V. The receiver shall accept wideband deviation of 75 kHz p-p.

The receiver shall be covered by a five-year parts and labor warranty, excluding earphones, headphones, batteries and chargers.

The receiver shall be the Williams Sound Corp. model PPA R7-4NA.

NOTE: SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE!

# Personal PA™ Wideband Receiver, Model PPA R7-4NA

## Contact:

### United States and Mexico

Williams Sound Corp.  
10321 W. 70th Street  
Eden Prairie, MN 55344-3446  
Ph: 800-328-6190 / 952-943-2252 / FAX: 952-943-2174  
Web: [www.williamssound.com](http://www.williamssound.com)  
Email: [info@williamssound.com](mailto:info@williamssound.com)

### Canada

Thorvin Electronics  
2861 Sherwood Heights Dr. Units 36-37  
Oakville, ON L6J-7K1 Canada  
Ph: 800-323-6634 / 905-829-3040 / FAX: 905-829-4196  
Web: [www.thorvinelectronics.com](http://www.thorvinelectronics.com)

### South America

DPTech  
SIA Trecho 3/4 Lote 335 2°. Andar  
71200-030 Brasília, DF  
BRAZIL  
Ph: (5561) 361-1384  
Fax: (5561) 361-0948  
Web: [www.dpotech.com.br](http://www.dpotech.com.br)  
Email: [ws@dpotech.com.br](mailto:ws@dpotech.com.br)

### Europe and Asia

International Sales Department  
Williams Sound Corp.  
10321 W. 70th Street  
Eden Prairie, MN 55344 USA  
Phone: +1 651 493 2578 or +1 952 943 2252  
Fax: +1 952 943 2174  
Email: [doreni@williamssound.com](mailto:doreni@williamssound.com)  
Web: [www.williamssound.com](http://www.williamssound.com)